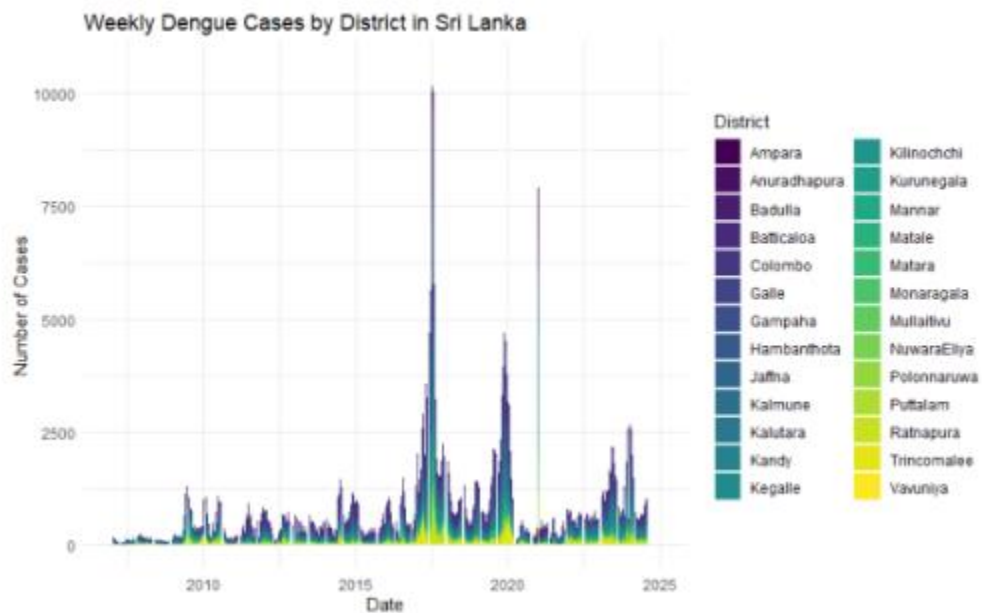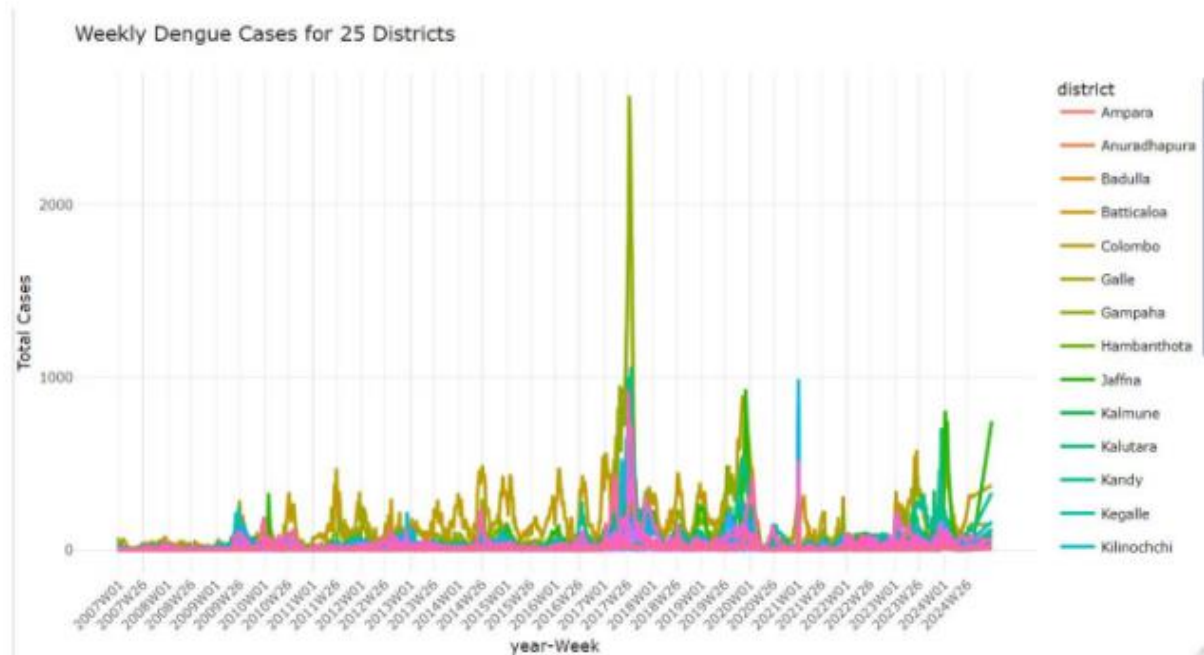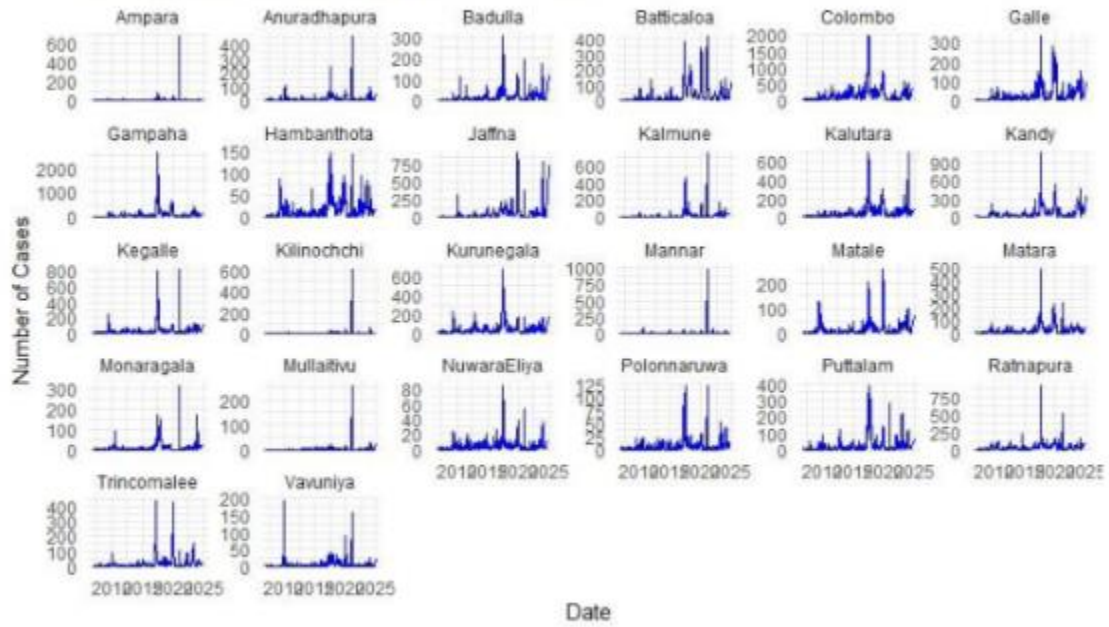# STA 315 2.0 Essential Skills in Statistics

Week 4: Dengue Data Visualisation

Feedback to Students/ Answers

Weekly Dengue Cases for 25 Districts

Weekly Dengue Cases by District in Sri Lanka

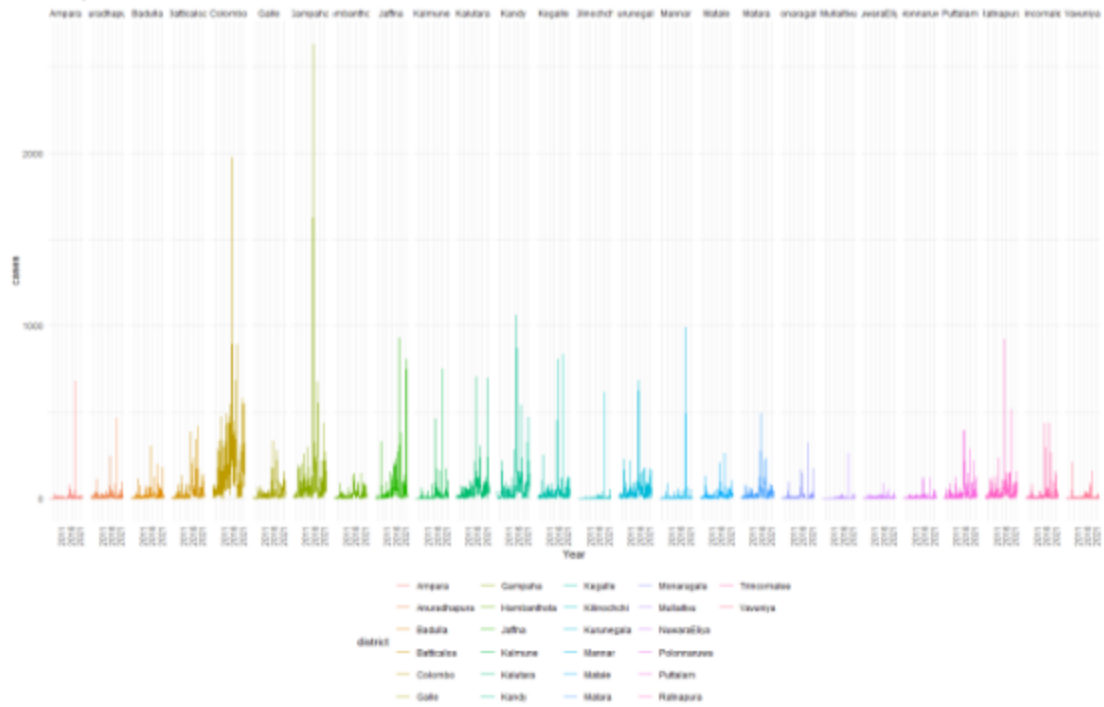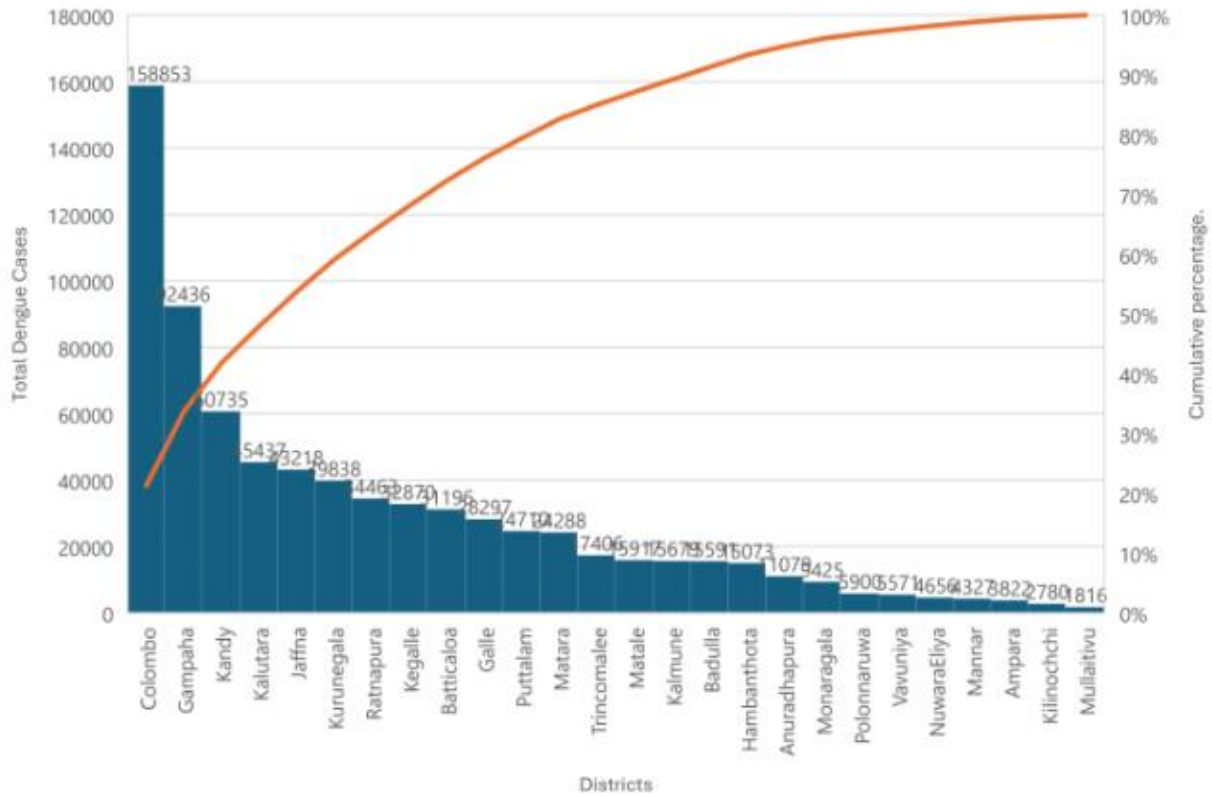# Weekly Dengue Cases by District in Sri Lanka

Week

weekly cases for each district

weekly cases for each district

| Ampara | urodhapu | Badulla | Batticaloc Colombo | Galle | tampahu imbanthc | Jaffna | Kalmune Kalutara | Kandy | Kegalle | inochcl urunegal | Mannar | Matale | Matara | onaragal Mullattivu awaraEliy | ionnarwe Puttalam | Ratnapun incomale Vavuniya |

cases

2000

1000

0

Year

district

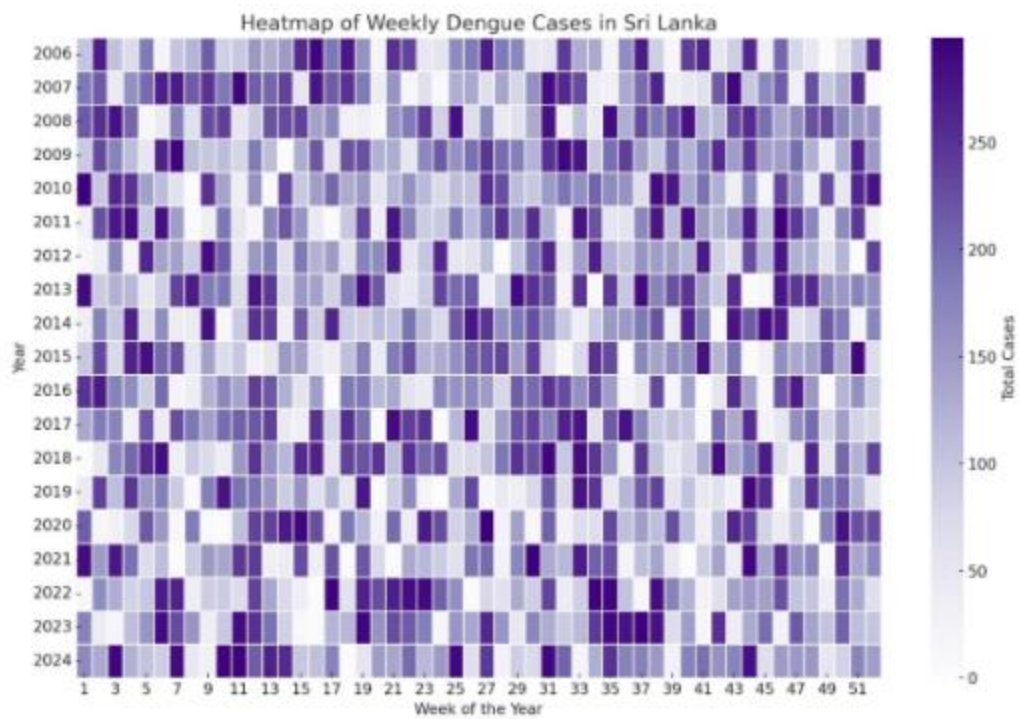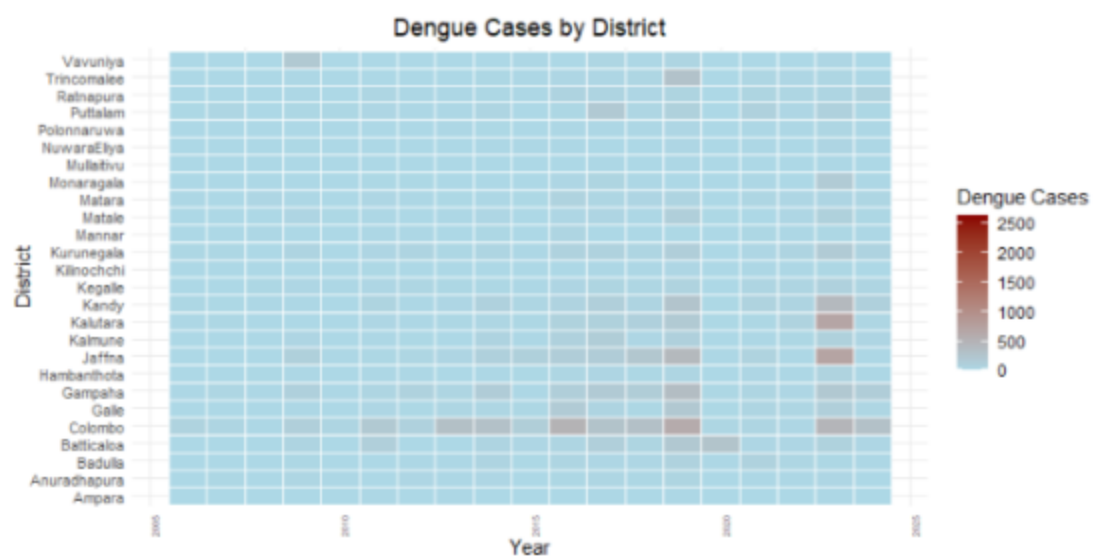| Ampara | Gampaha | Kegalle | Monaragala | Trincomalee |
Anuradhapura	Hambanthota	Kilinochchi	Mullaitivu	Vavuniya
Badulla	Jaffna	Kurunegala	NuwaraEliya	
Batticaloa	Kalmune	Mannar	Polonnaruwa	
Colombo	Kalutara	Matale	Puttalam	
Galle	Kandy	Matara	Ratnapura	

1. Pareto Chart

Pareto Chart of District wise weekly Dengue cases From 2006 to 2024 present

1. Heatmap

Heatmap of Weekly Dengue Cases in Sri Lanka
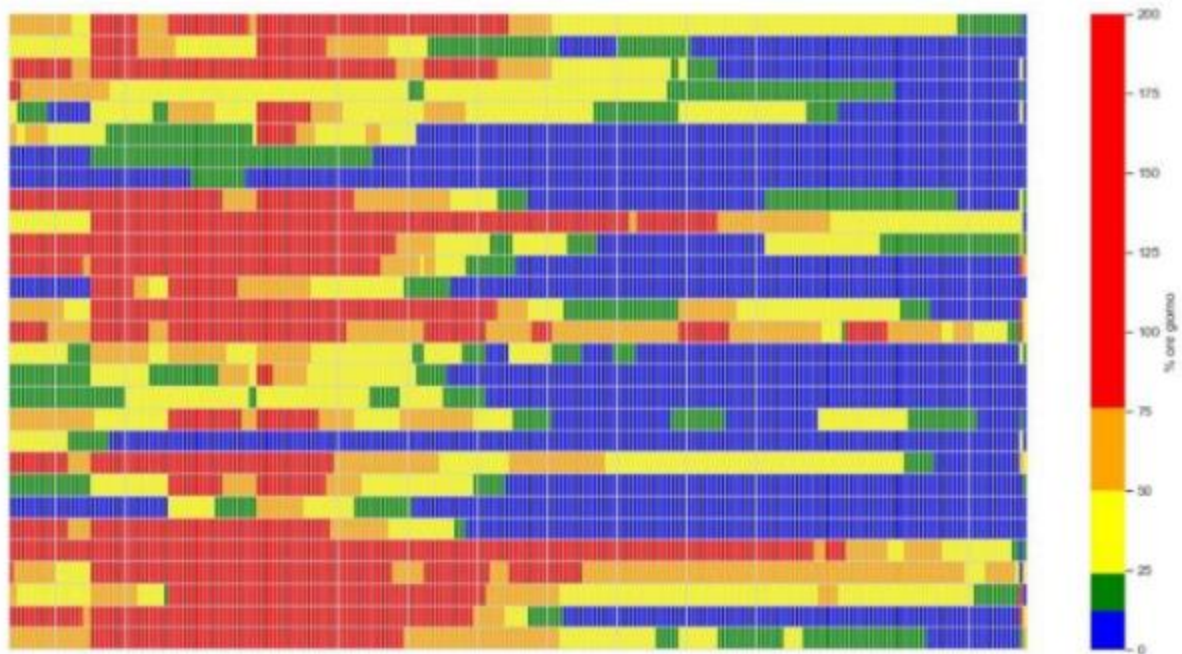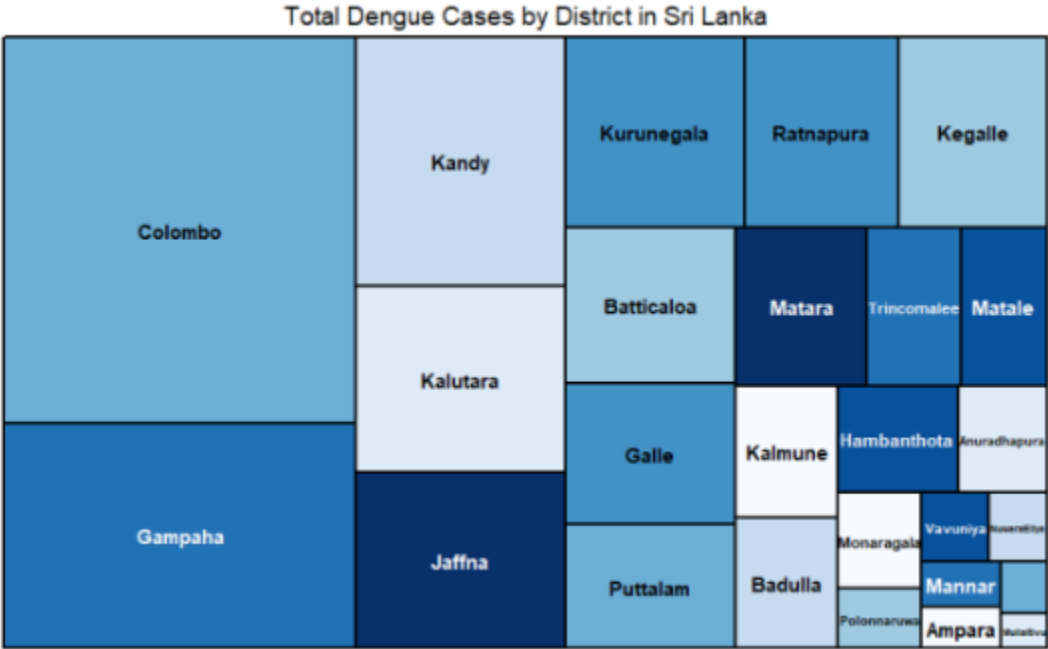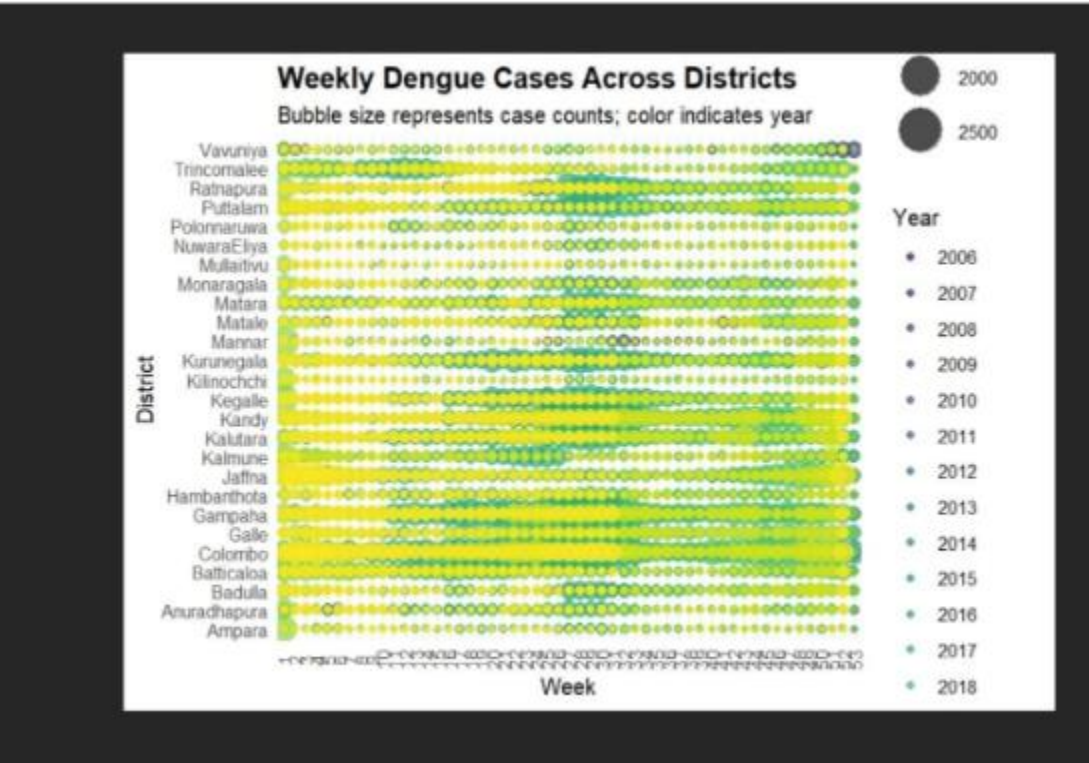
Dengue Cases by District

The problem is to figure out 53 weeks in each year and we got 19 years. There are 26 districts. We need to propose a method to visualize the count of deaths in each district in Sri Lanka.

By using a heat map which has the districts in rows and weeks in columns. (weeks should be named as 2006-W52, 2007-W01, 2007-W02.....likewise)

Numbers of deaths can be represented by the colour Colour Intensity

Weekly Dengue Cases Across Districts

Bubble size represents case counts; color indicates year

Total Dengue Cases by District in Sri Lanka

Weekly Dengue Cases by District
Visualization of regional disparities in cases

Source: Sri Lanka Dengue Weekly Data